

Southern Nevada Health District  
Solid Waste Management and Compliance Section  
Permitted Facilities and Special Projects Program

**MEMORANDUM TO FILE**

**TO:** Dennis Campbell, Environmental Health Manager  
Craig L. A. Erskine, Environmental Health Supervisor

**FROM:** Edward Wynder, EHSI

**SUBJECT:** 2006 Recycling Report

**DATE:** July 23, 2007

Our 2006 Recycling Report is now complete. Our reported recycling rate is 15.34%, compared to 18.66% reported in 2005. This seemingly large decrease in our recycling rate is due almost exclusively to the grossly inaccurate figures provided for the 2005 report from one recycler. More specifically, a clerical error at RC Farms/Waste Management Inc. resulted in an over reporting of their recycled Organic Material by 179,704 tons or nearly 600%. After updating the 2005 Recycling Report with new figures provided by RC Farms/Waste Management Inc. the corrected 2005 recycling rate is 14.02% - down 4.64 percentage points from the earlier figure. Based on this new information our recycling rate actually increased from 14.02% in 2005 to 15.34% in 2006, with an overall increase of 28,140 tons – 6.37% greater than last year.

In an effort to make this report as accurate as possible we invested over 50 man-hours contacting and encouraging recyclers to report, and expanding our current list of reporters, including out-of-state recyclers that receive recyclables from Clark County. Some examples of previously non-reporting/unknown companies include:

- Veolias Environmental Services – Special and E-Waste - Arizona
- 99¢ Only – Cardboard and Plastic - Local stores ship to California
- Thermo Fluids – Motor Oil (not counted) and Filters - Arizona
- Combs Brothers LLC – Local company that operates on-site at Casinos
- Mission Industries – Linen Recycling - Local Company
- Lakin Tire – Tire Recycling – California
- Costco – Cardboard and Plastic – Local Company
- Lunas Construction Cleanup – Cardboard, Aluminum, and C&D – Local
- American Shredding – Cardboard and Office Paper – Local
- Liberty Salvage – Cardboard, Paper, Aluminum – Local Company
- Funding Factory – E-Waste – Arizona

Here is a summary of pertinent facts regarding this Report:

- 2005 Rate 18.66% corrected to 14.02% (15.64% w/C&D Included)
- One recycler over reported in 2005 by 179,704 tons (6 times their actual amount)
- 2006 Rate is 15.34% (15.92% w/C&D Included)
- 6.37% increase in tonnage recycled
- Over 100 companies contacted
- 46 Companies have reported
- I estimate that 50% of non-responders likely use recyclers (such as Combs Bros. or Silver Dollar) that have reported and thus their numbers are indirectly included

- 50+ man-hours finding and contacting companies that recycle
- Over 80 man-hours on the project including Arta Faraday, Lynn Cintron, and Edward Wynder

I believe we are still under reporting our actual recycling rate - perhaps by as much as two (2) percentage points (~60,000 tons). In order to improve the accuracy and timeliness of our 2007 report I have the following recommendations:

1. Send out notices in November 2007 reminding recyclers about the impending report.
2. Send out official notices in January.
3. Meet with Recyclers to improve relations and understanding of reporting requirements.
  - a. Presentation and Q&A session at NRA meeting
4. Meet with major chains that ship recyclables internally i.e. Wal-Mart, Vons, etc.
5. Expand List of Out-of-State Recyclers
  - a. Request Vendor Lists from Casinos and other major producers of recyclables.
6. Request and train a volunteer from the PIO to assemble mailings and later to do follow-up calls to non-reporters.
7. Update Regulations Governing Recycling Centers Section 9(2)(a) to provide for mandatory reporting of recycling statistics (including weight and destination) by all companies that buy, sell, and/or process recyclables.
  - a. Consider adopting monetary penalties for non-compliance.

County Name: Clark County

15.24%

14.02%

REPORTING PERIOD: 1/1/06 - 12/31/06

RECYCLED MSW	# OF TONS	2005	% Increase/Decrease
<b>Paper</b>			
Corrugated cardboard	108,892.40	101,729.94	
Newspaper	36,294.28	39,175.02	
Office paper	16,225.35	14,670.38	
Magazines	575.00	1,987.34	
Telephone books	4,437.00	423.00	
Mixed paper	4,616.28	5,694.81	
Other paper			
<b>Paper Total</b>	<b>171,040.31</b>	<b>163,680.49</b>	4.50%
<b>Metals</b>			
Aluminum containers	1,851.29	951.15	
Tin/steel containers	254.00	1,058.00	
Ferrous scrap metals	208,862.90	204,407.35	
Non-ferrous scrap metals	14,970.71	10,539.00	
Appliances (white goods)	19,272.00	8,910.00	
Mixed metal	0.00		
<b>Metals Total</b>	<b>245,210.90</b>	<b>225,865.50</b>	8.57%
<b>Plastic</b>			
Plastic (PET)	1,040.30	1,065.75	
Plastic (HDPE)	412.86	365.00	
Mixed plastic	1,362.03	1,360.80	
Plastic film	514.00	633.60	
Polystyrene	12.00	56.00	
Other (PVC, LDPE, PP)	919.82	360.00	
<b>Plastic Total</b>	<b>4,261.01</b>	<b>3,841.15</b>	10.93%
<b>Glass</b>			
Clear	1,480.00	1,572.50	
Green	1,390.00	1,259.00	
Amber/Brown	1,166.00	1,179.00	
Mixed glass	0.00		
Other glass	0.00		
<b>Glass Total</b>	<b>4,036.00</b>	<b>4,010.50</b>	0.64%
<b>Organic Material</b>			
Yard debris	6,144.65		
Food waste	18,997.56	31,803.73	
BioSolids	0.00		
Restaurant grease	15,125.63	9,642.98	
Rendered animal matter	1,745.51	1,629.07	
Pallets/Wood			
<b>Organic Material Total</b>	<b>42,013.35</b>	<b>43,075.78</b>	-2%
<b>Special Waste</b>			
Used tires	0.00	728.44	
Paint	3.38		
Fluorescent Bulbs	96.60		
Lamp Ballasts	4.30		
Mercury Devices and Waste	0.40		
Household Hazardous Waste	0.00		
<b>Special Waste Total</b>	<b>104.68</b>	<b>728.44</b>	-86%
<b>Textiles</b>			
Textiles	0.00	600.00	
Other (specify)			
<b>Textiles Total</b>	<b>0.00</b>	<b>600.00</b>	-100%
<b>Other Recycled MSW</b>			
Toner Cartridges	18.00	5.00	
Cell Phones		251.00	Cell Phones
Filters	79.00		
Transformers and Electrical Equip	31.70		
Computer E-Waste	23.30		
<b>Other Rec. Materials Total</b>	<b>152.00</b>	<b>256.00</b>	-41%
<b>TOTAL RECYCLED MSW</b>	<b>466,818.25</b>	<b>442,057.86</b>	5.60%

County Name: Clark County

REPORTING PERIOD: 1/1/06 - 12/31/06

**CONSTRUCTION & DEMOLITION DEBRIS (C & D)**

**# OF TONS**

Asphalt	802.91	
Concrete	1,538.25	
Carpet	0.00	
Carpet padding	351.00	220.00
Drywall	30.00	
Wood	18,508.51	60,357.81
Plastic buckets	68.00	10.00
Other (specifiy)		
Other (specifiy)		
Other (specifiy)		
Other (specifiy)		
<b>CONSTRUCTION &amp; DEMOLITION DEBRIS TOTAL</b>	<b>21,298.67</b>	<b>60,587.81</b>
<b>RECYCLED MSW AND C &amp; D GRAND TOTAL</b>	<b>488,116.92</b>	<b>502,645.67</b>

Total MSW disposed of in the municipality: *	<u>2,595,685.00</u>	<u>2,711,025.02</u>
Total MSW generated in municipality: **	<u>3,083,801.92</u>	<u>3,213,670.69</u>

\* This number can be found in the spreadsheet at the following link: <http://nevadarecycles.gov/main/forms.htm>

\*\* Total MSW generated is the sum of recycled MSW (tabulated above) plus the quantity of MSW disposed of in a landfill, which was reported as generated in the municipality.